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Bill Krier
Editor in Chief, WOOD magazine

## Adobe Acrobat Reader Troubleshooting Guide

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Almost all printing problems are due to not enough free system resources memory. The files are very memory intensive because they include graphics, text, and photos. Close all other programs/applications and print directly out of the Acrobat Reader program, not your Web browser.

Patterns are not printing full-size
Make sure your printer is set to print at 100 percent and that "print to fit" is not checked. These settings are selected in the printer setup or printer options.

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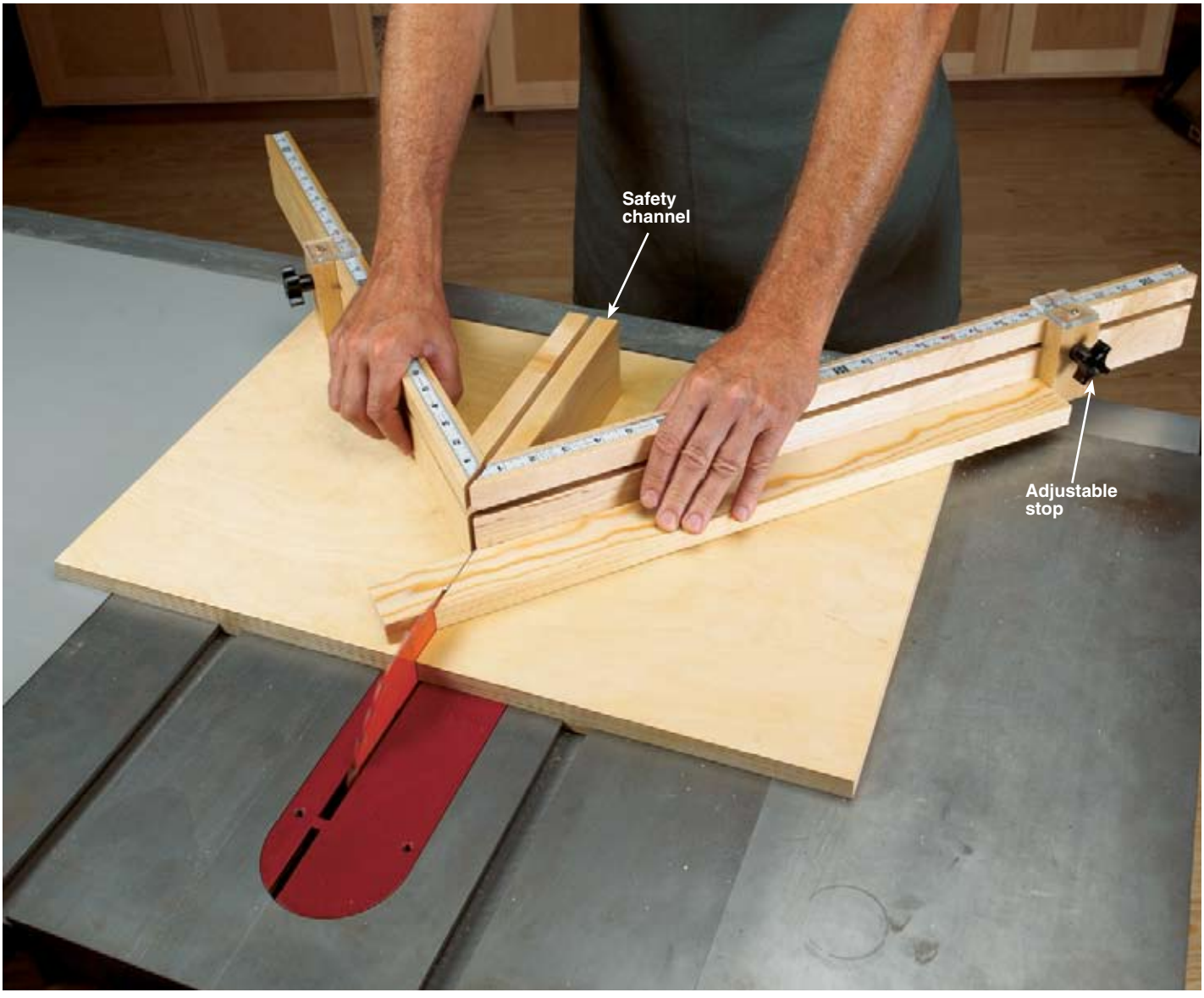


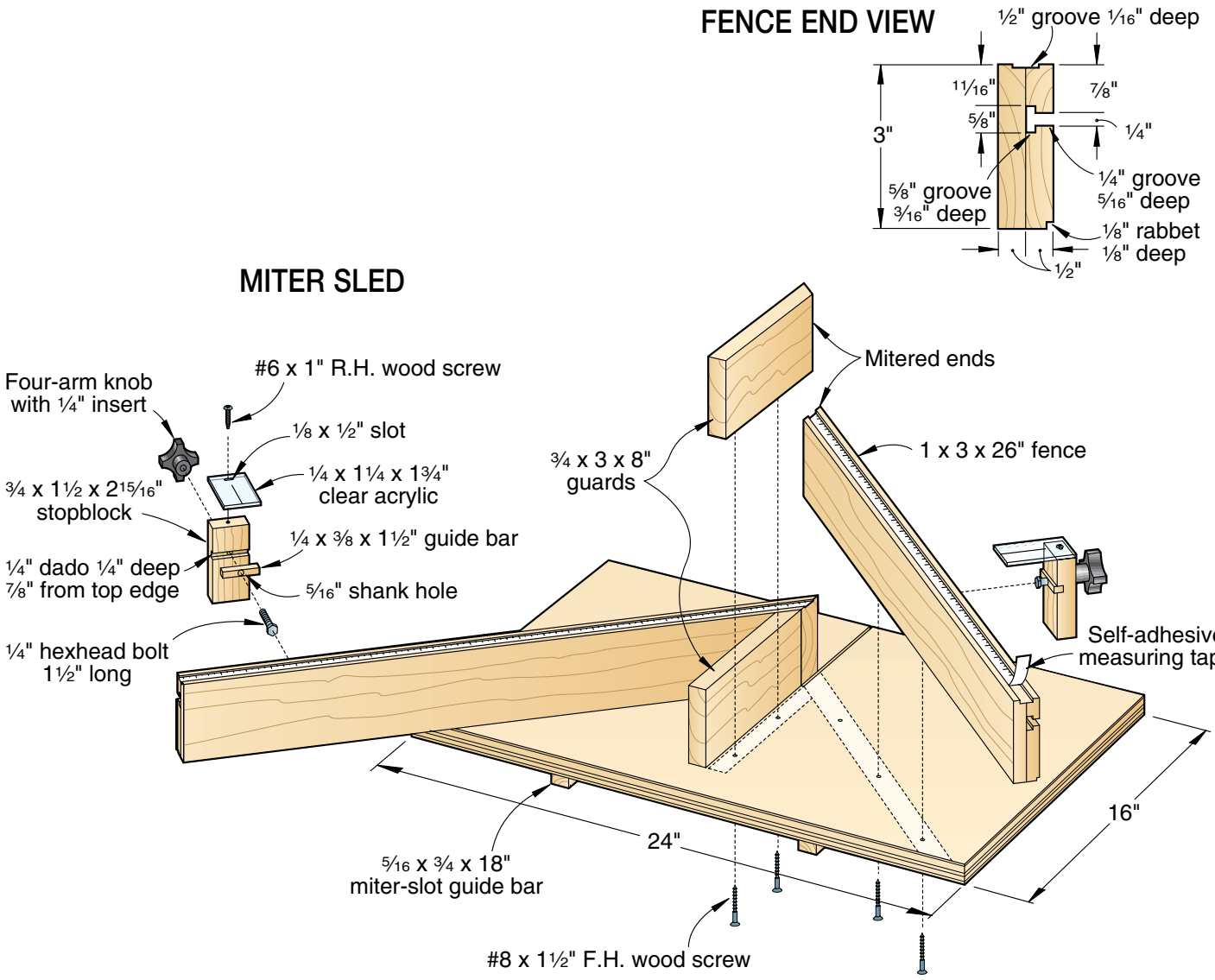
Mission Furniture



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# SHOPMADE TABLESAW MITER SLED






This miter-cutting sled offers a dual-rail guidance system that rides in the miter-gauge slots of your tablesaw and smooth-acting stops that ride in tracks. It also features a safety channel down the middle to keep your hands away from the tablesaw blade.

To build the jig, see the drawing *above* for the dimensions. We used Baltic birch for the base and hard maple for the other parts. Refer to the photos on *next page* for building tips that guarantee an exact fit on your saw and a pair of perfectly aligned miter fences. Use an 80-tooth crosscut blade for smooth, ready-to-glue surfaces.

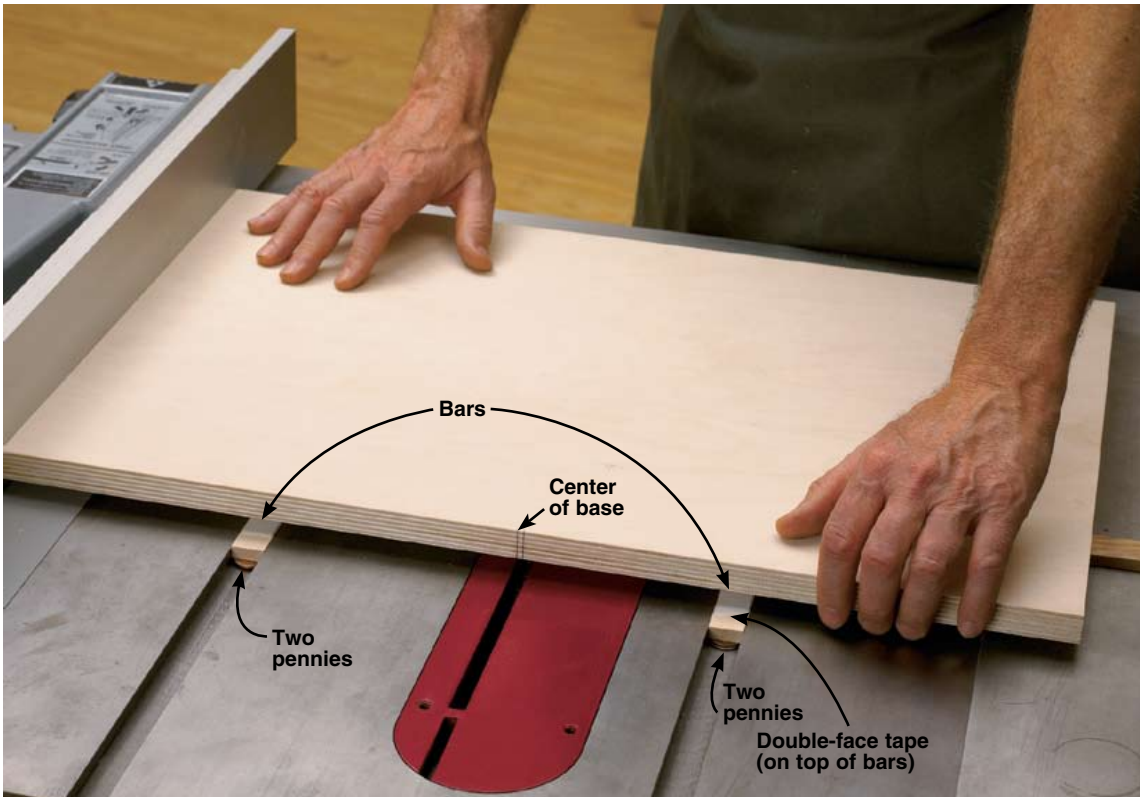
To make two workpieces of equal length, start by measuring and marking your first workpiece. Miter one end of the workpiece as marked, using the appropriate fence, and then transfer the workpiece to the opposite fence. Line up the mark with the blade, slide the stop against the already mitered end, tighten it, and make the second cut. Leave the stop in place, and miter the second workpiece in the same sequence. Remember to stop your cut when the blade's highest point passes through the fence to avoid weakening the sled base.

**PROS:**

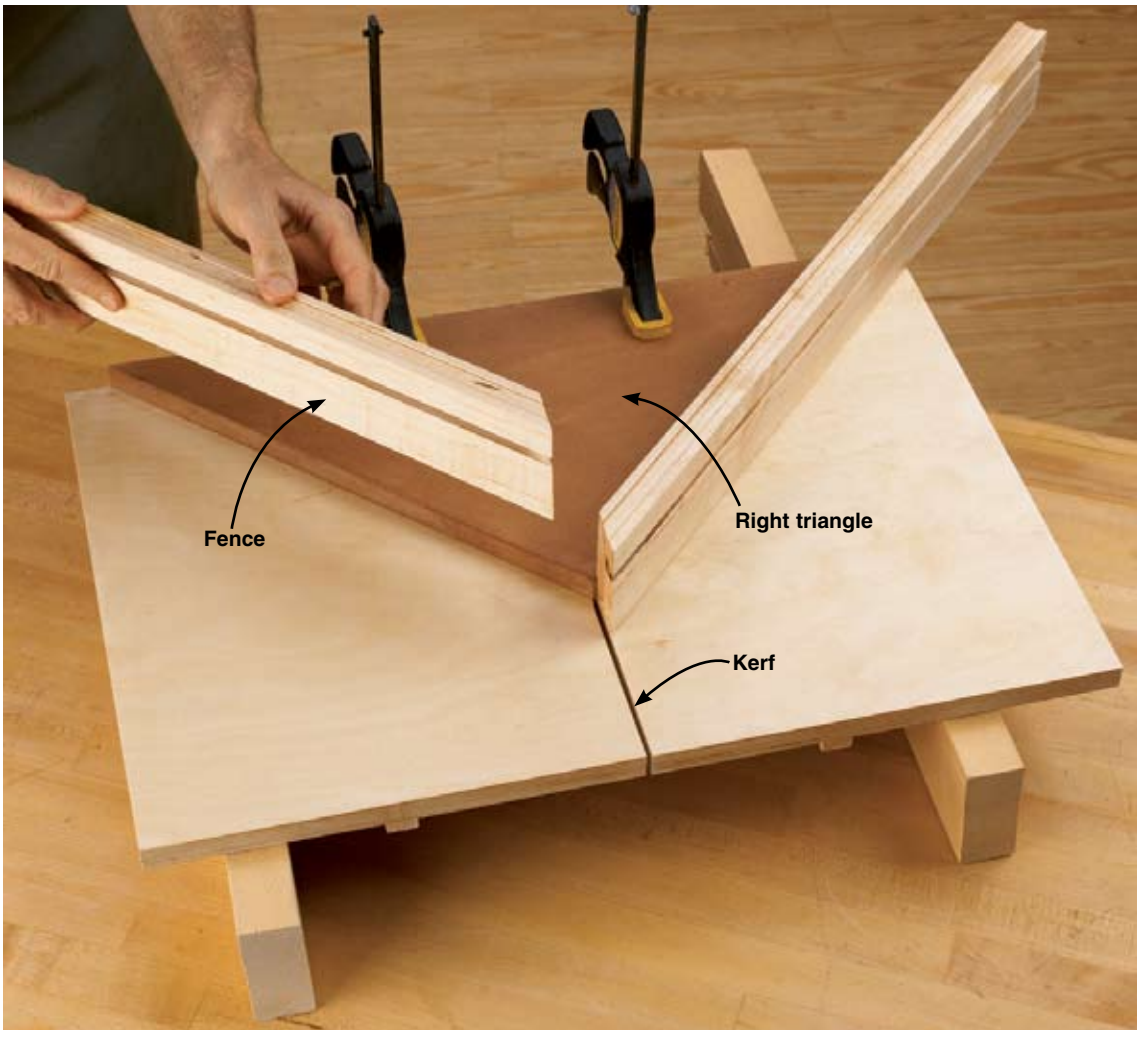
- Fast cuts, even in thick, hard materials.
- Combination of tablesaw and jig provides accurate, consis tent, and smooth cuts.
- Makes fine trimming cuts.
- Inexpensive to build.

**CONS:**

- Hard to handle long workpieces.
- Dedicated to 45° cuts only.




To fit the guide bars to your miter sled, place two stacks of two pennies in each miter-gauge slot on your tablesaw to serve as shims. Place a bar in each slot, and apply double-faced tape to the top of each bar. Mark the center of the sled base, and locate the rip fence to place that mark over the blade. Press the base against the bars, remove the assembly from the saw, and permanently attach the bars with screws. Remove the pennies from the slots.




Place the sled on your tablesaw, and cut a kerf about 6" long to serve as a visual guide for placing the fences. Now, cut a right triangle measuring 21½" on its long edge to fit on the miter sled base as shown. Place it flush with the back edge of the sled, centered from side to side, and clamp it in position to serve as a guide for installing the miter fences. Apply double-faced tape to the bottom of each fence, and press them into place. Remove the clamps and triangle guide, and make test cuts in scrap to check your sled's accuracy. When it's dead-on, permanently attach the fences with screws, making sure that they sit perpendicular to the sled base.

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